

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE	PAGE OF PAGES 1 5
2. AMENDMENT/MODIFICATION NO. 56	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY John F. Kennedy Space Center, NASA Procurement Office – ODIN – OP-OS-ODIN Kennedy Space Center, FL 32899	CODE	7. ADMINISTERED BY (If other than Item 6)		CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State, and Zip Code) OAO Corporation 7375 Executive Place Seabrook, MD 20706-2278		(x)	9A. AMENDMENT OF SOLICITATION NO.	
			9B. DATED (SEE ITEM 11)	
			10A. MODIFICATION OF CONTRACT/ORDER NO. NAS5-98144/NNK05OA12D	
			10B. DATED (SEE ITEM 13) December 1, 2004	
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<p><input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:</p> <p>(a) By completing Items 8 and 15, and returning ___ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.	
	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: NAS5-98144 Contract Clause C.7 Technology Refreshment Process and FAR Clause 52.212-4 Contract Terms and Conditions-Commercial Items, (c) Changes
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Stennis Space Center --- ODIN SERVICES

Technology Infrastructures: Incorporation of SWR P203 6TMP 05

Change in Delivery Order Price: \$141,664.38 (INCREASE)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) Martha E. Knox Contracts Manager	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Penelope A. Hale Contracting Officer
15B. CONTRACTOR/OFFEROR <i>Martha E. Knox</i> (Signature of person authorized to sign)	16B. UNITED STATES OF AMERICA BY <i>Penelope A. Hale</i> (Signature of Contracting Officer)
15C. DATE SIGNED <i>2/21/06</i>	16C. DATE SIGNED <i>2/23/2006</i>

NSN 7540-01-152-8070
PREVIOUS EDITION UNUSABLE

30-105

STANDARD FORM 30 (Rev. 10-83)
Prescribed by GSA
FAR (48 CFR) 53.243

1. In accordance with Master Contract NAS5-98144, C.7, Technology Infusion (Infrastructure), the infusion services referenced below are hereby incorporated into this Delivery Order at a fixed price of \$141,664.38.

SWR #	Subject	Amount
P203 6TMP 05	Installing five 10/100/100 Cards in 1105-CSC1 and upgrading wiring to Cat6. Remove all the old Cat5e wiring once computers have been cutover to new Cat6 wiring.	\$141,664.38

2. SWR P203 6TMP 05

The contractor shall provide the labor (including, but not limited to, engineering, configuration management, user coordination/scheduling, wiring/cabling (IEEE 802.3, EIA/TIA Building Wiring Standards, National Electric Code, and Fire Protection Code, as applicable), and equipment installation) and materials necessary to install five 10/100/100 Cards in 1105-CSC1 and upgrade wiring to Cat6; and remove all the old Cat5e wiring once computers have been cutover to new Cat6 wiring as outlined in OAO proposal dated January 23, 2006. Installation will include testing, labeling, and configuration documentation (red line drawings).

- a. The contractor shall be responsible for performance of the following tasks:

BOE-TEL will work:

- (1) Install (2) 100-pair copper cable protectors in room C311 and ground to an approved ground. Run tails over the wall on the existing cable tray to the wall in room C313.
- (2) Make (1) 200-pair splice in room C313 and place in new splice case.
- (3) Install (100) 3B1E-W protector units in each of the (2) 100-pair protectors.
- (4) Install (6) Visipatch panels and horizontal duct and distribution rings in room C313.
- (5) Install (2) Visipatch panels and horizontal duct and distribution rings in room F604.
- (6) Install Caddy J-hooks above ceiling to place wiring since there is no room for Flextray.
- (7) Install (2) Cat6 48-port patch panels in existing wall mount cabinet in room A113.
- (8) Install (3) cable management panels in existing wall mount cabinet in room A113.
- (9) Relocate (4) existing 66 wiring blocks that has (1) 100-pair inside wire that runs to the rear of the building so that the Visipatch panels can be placed on wall in room C313.
- (10) Remove old screw lug cable protectors and splice cable to the tails of (2) 100-pair new cable protectors that were installed in item (1) above so that we can have more room on walls to place Visipatch panels.
- (11) Install (144) Cat6 solid copper cords from network switch to Visipatch panels and terminate.
- (12) Install (2) Cat6 wires to (210) locations in B1105.
- (13) Install (1) 4-hole singlegang faceplate at (210) locations and install (2) Cat6 jacks and (2) blanks.
- (14) Install (1) 110 wiring block in room C313.
- (15) Relocate (1) 50-pair copper cable and punch it down on the new 110 wiring block in C313.
- (16) Relocate (1) 25-pair copper cable and punch it down on the new 110 wiring block in C313.
- (17) Relocate existing 19" x 84" aluminum equipment rack about 2 feet towards door so that Visipatch panels can be installed on wall in room C313.
- (18) Test and label Cat6 wiring at both ends.

- (19) Provide ODIN with redline drawing showing jack numbers and locations.

ODIN will work:

- (1) Install five (3) new Catalyst 6500 48 port 10/100/1000 GE Mod RJ-45 in 1105-CSC1
- (2) Strap new connection for each subscriber of 1105-CSC1, 1105V-CSC1 to new Cat6 Wire
- (3) Connect each subscriber of 1105-CSC1 and 1105V-CSC1 to new wire
- (4) Remove old 10/100 line cards when complete
- (5) Update databases
- (6) Update drawings

- b. The materials to be provided in conjunction with the above service are as follows:

BOE-TEL will purchase:

- (1) 88,000 feet of Avaya 2071 level 7 wire (CMP-00424AVA-7U-06)
- (2) 420 each Systimax MGS400 T568A/B Cat6 jacks (246746)
- (3) 260 each 14 feet Cat6 patch cord (MM14-AV7E-04) green
- (4) 210 each Avaya M14L-262 4-hole faceplate (197613) white
- (5) 200 each 3B1E-W protector units (105114)
- (6) 150 each Caddy faceplate clips (157703)
- (7) 150 each Caddy J-hooks (184873)
- (8) 144 each Systimax level 7 solid copper cables (CPC3482-04F30) green
- (9) 56 each Systimax Visipatch distribution rings (532421)
- (10) 45 each 3 feet Systimax Cat6 patch cords (MM03-AV7E-04) green
- (11) 42 packs of 110C-4 connectors (073039)
- (12) 30 each Panduit outlet boxes (207082)
- (13) 20 each 4 feet Cat6 patch cords (MM04-AV7E-04) green
- (14) 8 each Systimax 336-pair Visipatch (532210)
- (15) 4 each Systimax Visipatch horizontal duct (539650)
- (16) 3 each cable management panels (219824)
- (17) 2 packs of 110C-5 connectors (0611268)
- (18) 2 each Systimax 48-port Cat6 patch panel (246729)
- (19) 2 each 1880B-100-50 protector (220869)
- (20) 1 each 110AW2-100 wiring block (154069)
- (21) 1 each 21C1 splice case
- (22) 1 roll of Velcro ties

ODIN will purchase:

- (1) 3 each GFE Catalyst 6500 48 port 10/100/1000 GE Mod RJ-45

- c. OAO will complete this Infrastructure Improvement within 24 weeks from the time OAO receives a contract mod from KSC.

3. Part II "Contract Administration Data", Item 4, is revised as indicated below to incorporate the increase of \$141,664.38 for this infrastructure upgrade:

Month/Mod	Description	Monthly Total	Actual Total To Date
Jan-06	Ordered Seats and Services	\$ 416,760.46	\$ 5,591,229.36
Dec-05	Catalog Services	\$ 13,834.63	\$ 174,806.43
Dec-05	Specialized Services	\$ -	\$ 195,386.09
	Infrastructure upgrades	\$ 304,722.67	\$ 1,855,031.66
	Fast Track Mods Authorized (but not incorporated by Mod)	\$ 66,584.62	\$ 66,584.62
	sub-total of ordered services	\$ 801,902.38	\$ 7,883,038.16
	Less facility credit	\$ -	\$ -
	Less outage credit	\$ -	\$ -
	Less retainage not earned	\$ 4,258.51	\$ (8,754.73)
	TOTAL	\$ 806,160.89	\$ 7,874,283.43

4. Part V "Technology Infusion (Infrastructure Upgrades)", Item 3 is modified to include the subject infrastructure upgrades. The signed date will be completed in a future infrastructure upgrade modification.

Mod	Description	Date Signed	Amount
56	Installing five 10/100/100 Cards in 1105-CSC1 and upgrading wiring to Cat6. Remove all the old Cat5e wiring once computers have been cutover to new Cat6 wiring.		\$141,664.38

5. Payment Schedule: Invoicing and Payment for this modification will be made in accordance with Master Contract NAS5-98144, FAR 52.212-4: Commercial Items (May 1997) (Modified) in accordance with the following:

- Phase I. Payment of \$75,206.72 shall be paid upon receipt of all material and verified by the DOCOTR or designee.
- Phase II. Payment of \$36,430.84 after all Cat6 wiring & Visipatch panels and solid copper cords have been installed and tested and verified by the DOCOTR or designee.
- Phase III. Payment of \$30,026.82 once all existing computers have been cutover to new Cat6 wiring and Cat5 wiring has been removed and job verified by DOCOTR or designee.

6. Reporting requirements: The contractor shall provide monthly status reports to the SSC DOCOTR, with a copy to the DOCO. These reports shall include, as a minimum, installation progress, and potential problem areas.

7. In consideration of the modification agreed to herein as complete equitable adjustment for the changes set forth, the Contractor hereby releases the Government from any and all liability under this delivery order for further equitable adjustments attributable to such facts or circumstances giving rise to these changes.
8. All other terms and conditions of this Delivery Order remain unchanged and in full force and effect.